



Diamond Alkali Co.

NJD980528996

8.1.2

Passaic Valley Sewerage Commissioners

**Passaic Valley Sewerage Commissioners
Response to Request for Information
USEPA, Region 2**

Document order #1

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Passaic Valley
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600 WILSON AVENUE
NEWARK, NJ 07105
(973) 344-1800
Fax: (973) 344-2951
www.pvsc.com

ROBERT J. DAVENPORT
EXECUTIVE DIRECTOR

JAMES KRONE
DEPUTY EXECUTIVE DIRECTOR

PETER G. SHERIDAN
CHIEF COUNSEL

LOUIS LANZILLO
CLERK

Executive Director's Fax #: (973) 817-5738

April 24, 2002

Mr. Richard Winfield, Remedial Project Manager
Emergency and Remedial Response Division – Region II
United States Environmental Protection Agency
290 Broadway, 19th Floor
New York, New York 10007-1866

RE: Submission of Information Pursuant to:
Diamond Alkali Superfund Site,
Operable Unit 2 (Passaic River Study Area)
Request for Information dated February 22, 2002
Pursuant to 42 U.S.C., 9601-9675

Dear Mr. Winfield:

Pursuant to the February 22, 2002 letter from Kevin Lynch and the time extension letter of March 26, 2002 from Kedari Reddy on the above referenced matter, the Passaic Valley Sewerage Authorities are herein forwarding the attached and enclosed information related to CSO discharges as well as treatment plant operations in accordance with Attachment B as submitted to the PVSC. This submission has been prepared in accordance with the instructions for responding to request for information (Attachment A) and the description of the eleven items included in the request for information (Attachment B).

The attached **Response to Request for Information** provides a complete and separate response for each question and subpart as required. Documents related to each response are enclosed and have been labeled for easy identification. The Passaic Valley Sewerage Commissioner is not making any claim of confidentiality for any of the information requested and or provided. The "Certification of Answers to Request for Information" has been executed and is enclosed.

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PVSC prepared the response in an effort to continue our cooperative effort with EPA to improve the water quality of the Passaic River and Newark Bay. The response was produced at a cost in excess of \$20,000. We trust that the information provided herein is acceptable and meets all of the requirements of the above referenced request for information, however forward to my attention any additional information or questions that you feel may be necessary.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS



Robert J. Davenport
Executive Director

RJD/ja

Enclosures

cc: Ms. Kedari Reddy, Assistant Regional Counsel
Mr. Kevin Lynch, ERRD, Acting Strategic Integration Manager
Mr. Richard Winfield, ERRD, Remedial Project Manager
Mr. Sheldon Lipke, PVSC
Mr. Peter Sheridan, Esq., Graham Curtain and Sheridan

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of New Jersey :

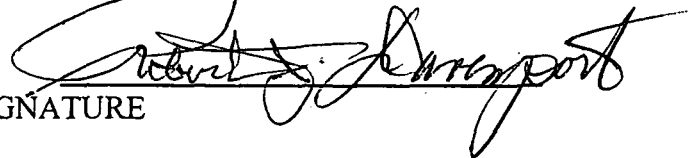
County of Essex :

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that PVSC is under a continuing obligation to supplement its response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or PVSC's response thereto should become known or available to PVSC.

Robert J. Davenport
NAME (print or type)

Executive Director
TITLE (print or type)

SIGNATURE



Sworn to before me this 24th day of April 2002

Maureen Critchley
Notary Public Signature

MAUREEN CRITCHLEY
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires July 11, 2005

946160004

**Passaic Valley Sewerage Commissioners
Response to Request for Information
United States Environmental Protection Agency, Region 2
Letter dated February 22, 2002**

The following individuals were consulted in the preparation of this response and in the preparation of the submitted documents and are henceforth identified in each answer by the bold company reference: The document preparation was under the oversight of Sheldon Lipke, P.E., Superintendent of Plant Operations.

John S. Rolak, Jr., P.E.
Vice President
Killam Associates
PO Box 463
One Salem Square, Suite 204W
Route 22 East
Whitehouse, New Jersey 07882
Phone Number 908-534-4700

Donato R. Pennella, P.E.
Project Manager
Charles A. Manganaro Consulting Engineers (**CAMCE**)
65 East Route 4
River Edge, New Jersey 07661-1949
Phone Number 201-342-4200

William E. McMillin Jr.
Project Manager
HydroQual, Inc.
1 Lethbridge Plaza
Mahwah, New Jersey 07430
Phone Number 201-529-5151

PVSC Personnel
Art Dwan, Superintendent of Wet Train Operations
John Gatsch, Process Control Engineer 1
Veronica Hurst, Assistant Scientist
Frank Illis, Operations Supervisor II
Bridget McKenna, Process Control Engineer 2

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The following is our response to the request for information as included in Attachment B. For clarity, the questions or requests as included in Attachment B are provided in bold type immediately preceding the response.

1. **Provide land use characteristics for each CSO drainage basin below Dundee Dam.**

Passaic Valley Sewerage Commissioners
Response to Request for Information
Page 2

The following individuals were consulted in the preparation of our response to this item: Killam Associates

We are herein forwarding a copy of the following reports and appendices in response to this request for information:

- a. Service Area Drainage and Land Use Report for the Towns of Harrison and Kearny, the Borough of East Newark, and the Cities of Newark and Paterson, dated February 1996 as prepared by Killam Associates;
 - b. Drainage Area and Land Use Report for the Towns of Harrison and Kearny, the Borough of East Newark, and the Cities of Newark and Paterson, Combined Sewer Overflow Significant Industrial Users Location Maps, dated February 1996 as prepared by Killam Associates;
 - c. Service Area Drainage and Land Use Report for the Towns of Harrison and Kearny, the Borough of East Newark, and the Cities of Newark and Paterson, Appendix B – Combined Sewer Overflow Drainage Area and Control Information The Towns of Harrison and Kearny and the Borough of East Newark, dated February 1996 as prepared by Killam Associates; and
 - d. Service Area Drainage and Land Use Report for the Towns of Harrison and Kearny, the Borough of East Newark, and the Cities of Newark and Paterson, Appendix C – Combined Sewer Overflow Drainage Area and Control Information City of Newark dated February 1996 as prepared by Killam Associates.
2. **Provide work plans for monitoring and modeling, including interim reports, if any.**

The following individuals were consulted in the preparation of our response to this item: Killam Associates

We are herein forwarding a copy of the following reports in response to this request for information. The only interim report was the report on the monitoring conducted under characterization study that has been superseded by the final report which is being provided in response to Question/Item 6 b.:

- a. Combined Sewer Overflow Discharge Characterization Study, Final Quality Assurance/Work Plan for the Towns of Harrison and Kearny, For the Borough of East Newark, and the City of Paterson, as prepared by Killam Associates and dated February 1996 and revised through November 30, 1997.

3. What is the status of PVSC's Characterization Study? What is the due date?

The following individual(s) were consulted in the preparation of our response to this item: Killam Associates and HydroQual, Inc.

The Characterization Study for the PVSC District was segregated by the NJDEP into two phases: the monitoring phase, and the modeling phase. PVSC has completed the monitoring phase and is herein providing a copy of the final report in response to Question/Item No.6 below. The submission of all monitoring data will be made to the NJDEP on or about April 25, 2002. It is anticipated that the Modeling Work Plan will be prepared and submitted on or about June 1, 2002 and that the preliminary Modeling Study Report will be submitted to the NJDEP on or about October 1, 2002.

There is no current due date for the Modeling Study since the Work Plan has to date not been submitted and approved by the NJDEP.

4. Provide legible engineering drawings of the Main Intercepting Sewer (MIS) within the Passaic River Study Area (Study Area), including its connection to each of the CSO regulator structures. These sewers represent the connections from the CSO regulators to the treatment plant.

The following individual(s) were consulted in the preparation of our response to this item: Killam Associates and CAMCE.

We are herein forwarding a copy of the following report in response to this request for information:

Passaic Valley Sewerage Commissioners Combined Sewer System Facilities Inventory and Assessment Analysis Volume 2, as prepared by Charles A. Manganaro Consulting Engineers, dated March 1997, which includes plans and profile information on the entire Main Interceptor Sewer.

5. Based on reports by Killam, PVSC has undertaken the CSO Characterization Study on behalf of each surrounding municipality. The exception was the City of Newark, which will complete the monitoring and modeling requirements of their General Permit on their own. Provide both dry and wet-weather flow data (e.g. 15 minute data) measured in the MIS (or tributary to the MIS) from the contributing areas upstream of the Herbert Place Regulator (within the last four years) as well as the corresponding rainfall data. This represents the upstream boundary condition for the

Study Area. These flow data should include monitoring locations downstream of the Polk Street and City Dock CSOs as well as flow data for the South Street Interceptor and should include electronic data files and printouts.

The following individual(s) were consulted in the preparation of our response to this item: Killam Associates.

The following information is provided in response to this request:

- a. The metering of the MIS, conducted by Killam Associates as part of the interceptor modeling study, was conducted during the period of September 7, 1997 and January 10, 1998 and accordingly was not collected within the last four years. Accordingly, the metering data completed under this program does not fit the above description.
- b. The City of Newark undertook metering of the Main Interceptor Sewer and its branches in the City of Newark Area starting in November 1998. Requests for metering data compiled by the City of Newark should be made to:

Philip A. LiVecchi, Director
City of Newark
Department of Water and Sewer Utilities
920 Broad Street, Room B31F
Newark, New Jersey 07102
Phone No. 973-733-6578
Fax No. 973-733-4819

- c. Rainfall data and flow data within individual combined sewer systems within the City of Paterson, the Towns of Harrison and Kearny, and the Borough of East Newark is being provided under the response to Item No. 6 below.
- 6. The PVSC is including as its project goal to develop a calibrated SWMM model of each CSO drainage basin including the hydraulic response of the combined sewer system to rainfall and dry-weather flow quantities for each CSO drainage basin. Provide any and all information collected on the development of the sewer system model as well as on flow monitoring.**
- a. Please provide a copy of the sewer system model and any schematic representations of the system that have been modeled to date. Chemical Land Holdings, Inc. has a copy of the CSO discharge Characterization Study CSO Monitoring Report (for the Towns of

Harrison and Kearny, the Borough of East Newark and the City of Paterson) that included monitoring data from 1997 and 1998.

The following individual(s) were consulted in the preparation of our response to this item: Killam Associates, HydroQual, Inc., and CAMCE.

The SWMM model development for the City of Paterson, the Towns of Harrison and Kearny, and the Borough of East Newark is currently ongoing and has not been completed. HydroQual is currently developing for submission to the NJDEP a quality assurance/quality control work plan for the modeling phase of the project. The NJDEP did not want to review and approve the modeling work plan until it had a chance to evaluate the monitoring data. It is anticipated that the Modeling Work Plan will be submitted to the NJDEP on or about June 1, 2002 and that the preliminary modeling report will be completed on or about October 1, 2002.

The SWMM model of the Main Interceptor has been completed by HydroQual and updated by CAMCE. A CD-Rom is herein forwarded from information provided by CAMCE and HydroQual containing the following information and directories:

- PVSC_MODEL that contains the XP-SWMM input file for the PVSC Interceptor System
- FLOW-DATA that contains flow monitoring data used in the calibration and verification of the SWMM model
- RAINFALL that contain rainfall data used in the calibration and verification of the SWMM model.
- A printout of the Interceptor Model Schematic as provided by CAMCE.

b. Provide any existing flow monitoring data (e.g. 15 minute values) and rain gauging data (including electronic data files and printouts) associated with this study and any more recent data that may be available on the following CSOs (listed).

The following individual(s) were consulted in the preparation of our response to this item: Killam Associates, and CAMCE.

- i. The CSOs listed below are in the City of Newark. Accordingly, PVSC has not conducted any flow monitoring at these locations. It is anticipated that some data has been compiled by the City of Newark and thus will need to be requested from the Director of Water and Sewers at the addressed identified under Item 5.b above.

- CSO 030/N-003, Herbert Place
- CSO 031/N-004, Third Avenue
- CSO 032/N-005, Fourth Avenue
- CSO 033/N006C, Passaic Street
- CSO 033/N-006, Clay Street
- CSO 034/N-007, Orange Street
- CSO 035/N-008, Bridge Street
- CSO 036/N-009, Rector Street
- CSO 037/N-010, Saybrook Street
- CSO 038/N-011, City Dock
- CSO 039/N-012, Jackson Street
- CSO 040/N-013, Polk Street
- CSO 041/N-014, Freeman Street

- ii. CSOs within the City of Paterson, the Towns of Harrison and Kearny, and the Borough of East Newark were monitored by PVSC as part of the Characterization Study. Flow monitoring data associated with the CSOs listed in request for information for all other CSOs than those listed above are herein provided in the report:

“Combined Sewer Overflow Discharge Study Characterization Study, Final CSO Monitoring Report for the Towns of Harrison and Kearny, for the Borough of East Newark, and the City of Paterson” as prepared by Killam Associates and dated April 2002.

- iii. Rain gage data associated with the Characterization Study is herein provided in the report:

“Combined Sewer Overflow Discharge Study Characterization Study, Final Rainfall Monitoring Study Report for the Towns of Harrison and Kearny, for the Borough of East Newark and the City of Paterson”, as prepared by Killam Associates and HydroQual, Inc., and dated April 2002.

- iv. Electron data files for flow, and rainfall monitoring data utilized in the development of the above referenced reports are herein provided on CD-Rom.

- 7. Engineering drawings (Charles Manganaro Consulting Engineers) have been provided for most of the regulators referenced in Question 6. We are requesting additional drawing information for the following CSOs:**

- **Saybrook Place – Provide legible copies**
- **Bergen Ave (East) – Provide legible copies**
- **Dukes Street – Provide legible copies**
- **Roanoke Avenue – Provide legible copies**
- **Passaic Avenue – Drawings were not provided. Please provide copies.**
- **Orange Street – Sections B-B and C-C are missing. Please provided copies.**

The following individual(s) were consulted in the preparation of our response to this item: CAMCE.

We are herein forwarding the appropriate segments of the report, "Passaic Valley Sewerage Commissioners, Combined Sewer System Facilities Inventory and Assessment Analysis, Volume 4", as prepared by Charles A. Manganaro Consulting Engineers and dated March 1997, which provides 11" x 17" copies of the regulator drawings for the above referenced list of regulators. It should be noted that:

- there are no drawings for a regulator on Passaic Avenue. We assumed that the request was for Passaic Street and are herein provide the drawings accordingly.
 - The Roanoke Avenue regulator is owned and operated by the City of Newark. We have provided a site plan for the regulator but apparently have no other data. Additional information on this site may be available from the City of Newark at the address previously provided.
8. **According to information provided, several regulators have manual and remote operated sluice gates. The automatic gates are controlled by a signal transmitted from the treatment plant (Killam, Interim Sewer System Inventory and Assessment Report, February 1996). In order to know what the capacity of each regulator is during storm events, provide information as to when the gates have been closed (either manually or automatically) over the past 3 years for each regulator. In your response, please provide regulator identifications, dates and times when the regulators were closed, and the treatment plant flow rate during the periods of closure.**

Information on gate closures for are herein being forwarded in the attached tables and log sheets. The tables indicate the time and date of closures and openings of the south side interceptor and the CSO regulators. The following PVSC employees were consulted to obtain this information, Art Dwan and Frank Illis.

The South Side Interceptor gate closures and openings are measured in minutes or inches. The inches refer to the stem length on the gate. Measurements in minutes correspond to the length of time that the supervisor opens and/or closes the gates. A measurement of 36" corresponds to 3 minutes. We do not have a true correlation between actual % open/closed, but procedure is to never close this gate 100%. A 100% closure corresponds to 15 minutes.

The CSO Regulator gate closures are either 100% open or 100% closed. The date and time of closure are indicated in the "TIME DATE" and "OUT TIME" columns. The date and time of opening is indicated in the "TIME DATE" and "IN TIME" columns.

Plant Flow and "Jersey City Flow" log sheets are attached to each of the gate closure logs. The column titled "PLANT Q" is the total plant flow. "TOTAL Q" refers to the "Jersey City Flow". The "Jersey City Flow" includes flow from Bayonne, South Kearny and Jersey City. These wastewater flows enter the plant flow at the influent of the primary clarifiers.

- 9. Provide electronic copies of the data provided in your SQAR reports to the NJDEP, since the inception of the SQAR program. If electronic copies are not available, please provide paper copies.**

Electronic copies of the SQAR reports are included for 2002, 2001, 2000, March 1999, and May 1999 to December 1999. Electronic copies of the SQAR reports are herein provided in the enclosed CD-Rom. Paper copies of January 1999, February 1999, April 1999, and January 1990 to December 1998 SQAR reports are included. Additional SQAR reports will be forwarded if found. Bridget McKenna of PVSC was consulted to provide this information.

- 10. Provide electronic copies of ambient water quality and sediment quality data collected in the main-stem and tributaries of the Passaic River/Newark Bay within or adjacent to the PVSC service area which were collected for or by PVSC. If electronic copies are not available, please provide paper copies. Do not exclude measurements of dissolved oxygen, temperature, salinity/s, conductivity, nitrogen forms or bacteria (e.g. total, fecal, f-strep, Enterococci, etc.**

The following individual(s) were consulted in the preparation of our response to this item: Killam Associates and PVSC.

- a. In the early 1980s a monitoring study was conducted on the Passaic River as part of the PVSC CSO Facilities Planning Project. A copy of the Report, PVSC Combined Sewer Overflow Facility Plan, Phase I, Volume I, System, Water Quality & Alternative Control Analyses and Recommendations for the

Lower Passaic River, as prepared by Killam Associates and dated 1983 is herein forwarded. It should be noted that no bacterial data was collected under that study.

- b. The PVSC has recently undertaken the collection of ambient water quality data within the Passaic River and Newark Bay. Ambient water quality data as collected by PVSC personnel is herein forwarded on the enclosed CD. Veronica Hurst of PVSC was consulted to obtain this data.
- c. A Presentation of the "Supplemental Nutrient Sampling and Analysis for the New Jersey Harbor" prepared by Great Lakes Environmental Center in February of 1996 is enclosed. The data that was collected to prepare this report can be obtained from:

Mick DeGraeve
Great Lakes Environmental Center
739 Hastings Street
Traverse City, MI 49684
(231) 941-2230

or

Robin Miller
HydroQual
One Lethbridge Plaza
Mahwah, NJ 07430
(201) 529-5151

John Gatsch of PVSC was consulted to obtain this presentation.

- d. The Phase I Metals Sampling and Analysis Program for the New Jersey Component of the New York/New Jersey Harbor Estuary Program Report; August 1996, prepared by Great Lakes Environmental Center is enclosed. The data that was collected to prepare this report can be obtained from:

Mick DeGraeve
Great Lakes Environmental Center
739 Hastings Street
Traverse City, MI 49684
(231) 941-2230

or

Rosella O'Connor or Felix Locicero of the USEPA.

Bridget McKenna of PVSC was consulted to obtain this information.

- e. Monitoring and Modeling of Nickel in the Hackensack and Passaic Rivers and Newark Bay and Monitoring and Data Analysis for Copper in the Arthur Kill and Kill Van Kull Report; August 1998, prepared by Great Lakes Environmental Center is enclosed. The data that was collected to prepare this report can be obtained from:

Mick DeGraeve
Great Lakes Environmental Center
739 Hastings Street
Traverse City, MI 49684
(231) 941-2230

or

Rosella O'Connor or Felix Locicero of the USEPA.

Bridget McKenna of PVSC was consulted to obtain this information.

- f. PVSC aided the NY/NJ Harbor Estuary Program's Toxic Workgroup in a VOC sampling effort. PVSC collected samples in the Passaic and Hackensack Rivers. The USEPA's Edison Labs analyzed the samples and provided the results to Bob Nyman of the USEPA. Enclosed is Mr. Nyman's summary of the results. The data that was used to create this report can be obtained from Bob Nyman of the USEPA.

Bridget McKenna of PVSC was consulted to obtain this information.

11. Provide a bibliography of CSO and/or ambient water quality studies conducted for or by PVSC since 1965, on any of the waters or tributaries of the Passaic River – Hackensack River – Newark Bay Systems.

The following individual(s) were consulted in the preparation of our response to this item: Killam Associates, John Gatsch of PVSC, and Bridget McKenna of PVSC.

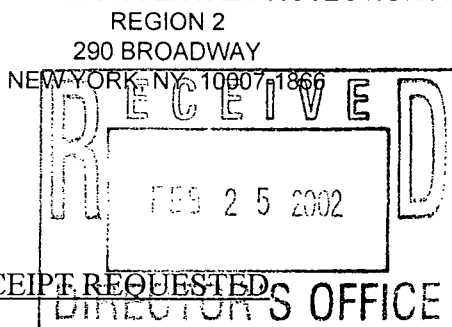
The following ambient water quality studies have been conducted for or by PVSC since 1965. It should be noted that no water quality studies of any kind have been undertaken or conducted for or by PVSC on any of the waters or tributaries of the Hackensack River.

- a. An Overflow Analysis was conducted by Killam Associates on behalf of the PVSC in 1974 and 1975 and was reported upon to PVSC in the Report Upon Overflow Analysis prepared by Killam Associates and dated 1976. The project included monitoring of overflow quality and quantity for each of the CSOs associated with PVSC regulators.

- b. A Combined Sewer Overflow Facility Plan was undertaken by Killam Associates on behalf of PVSC in the early 1980's and reported upon in the report "Combined Sewer Overflow Facility Plan" as prepared by Killam Associates and dated 1983. A copy of the water quality data collected as part of this project has been included in our response to Item 10.
- c. Supplemental Nutrient Sampling and Analysis for the New Jersey Harbor, 1996, prepared by Great Lakes Environmental Center.
- d. The Phase I Metals Sampling and Analysis Program for the New Jersey Component of the New York/New Jersey Harbor Estuary Program; August 1996, prepared by Great Lakes Environmental Center.
- e. Monitoring and Modeling of Nickel in the Hackensack and Passaic Rivers and Newark Bay and Monitoring and Data Analysis for Copper in the Arthur Kill and Kill Van Kull; August 1998, prepared by Great Lakes Environmental Center.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



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FEB 22 2002

PROMPT REPLY NECESSARY

CERTIFIED MAIL: RETURN RECEIPT REQUESTED

Mr. Robert J. Davenport, Executive Director
Passaic Valley Sewerage Commissioners
600 Wilson Avenue
Newark, NJ 07105-4814

Re: Diamond Alkali Superfund Site, Operable Unit 2 (Passaic River Study Area)
Request for Information Pursuant to 42 U.S.C. §§ 9601-9675

Dear Mr. Davenport:

This letter seeks your cooperation in providing information relating to the contamination of the Diamond Alkali Superfund Site in Newark, New Jersey (Site). We encourage you to give this matter your immediate attention. We request that you provide a complete and truthful response to the attached Request for Information within 30 days of your receipt of this letter.

The United States Environmental Protection Agency (EPA) is investigating the presence of hazardous substances in the sediments of the Passaic River. Under Section 104(e)(2) of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended (CERCLA), 42 U.S.C. Section 9604(e)(2), EPA has broad information gathering authority to determine the nature and extent of contamination of a release or threatened release of hazardous substances into the environment. EPA is seeking to obtain information concerning the generation, storage, treatment, transportation, and disposal methods of these substances on the environment and public health as well as identify activities, materials and parties that contributed to contamination at the Site.

Please note that the term Site is defined as the Diamond Alkali Superfund Site, located in the City of Newark, Essex County, New Jersey. This definition includes Operable Units 1 (the facility located at 80 and 120 Lister Avenue) and Operable Unit 2 (Passaic River Study Area) as well as the areal extent of the contamination to which hazardous substances from the Diamond Alkali facility were transported, have or may have migrated or otherwise threaten to migrate. Hence we are interested in any discharges below Dundee Dam which physically terminates the upstream migration of substances from the estuary and those that discharge directly into Newark Bay.

We anticipate Combined Sewer Overflow (CSO) sampling to take place later this year and appreciate PVSC and their consultants attendance, input and support at our previous CSO sampling planning meetings. As a follow up to our discussions with PVSC's Ms. Bridget McKenna, we are providing this formal request to obtain information from PVSC related to CSOs discharging to the Site as well as treatment plant operations that impact the CSOs. This information will support both the pending field activities and the necessary modeling that will be required to assist in the interpretation of the data to be collected. This request, primarily focuses on PVSC collection system, though supplemental data regarding PVSC sludge characteristics

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and ambient receiving water/sediment quality data are also requested. Details of this request are provided in Attachment B.

While EPA seeks your cooperation in this investigation, compliance with this Request for Information is required by law. In preparing your response to this Request for Information, please follow the instructions provided in Attachment A. When you have prepared your response to the Request for Information, contained in Attachment B, please sign and have notarized the enclosed "Certification of Answers to Request for Information," and return that Certification to EPA along with your response. Please note that false, fictitious or fraudulent statements or representations may subject you to civil or criminal penalties under federal law. In addition, Section 104 of CERCLA, 42 U.S.C. Section 9604, authorizes EPA to pursue penalties for failure to comply or for failure to respond adequately to the Request for Information.

Some of the information EPA is requesting may be considered by you to be confidential. Please be aware that you may not withhold from EPA the information upon that basis. If you wish EPA to treat the information confidentially, you must advise EPA of that fact by following the procedures described in the Instructions Section in Attachment A, including the requirement for supporting your claim for confidentiality.

If you have information about other parties who may have information which may assist EPA in its investigation of the Site or may be responsible for the contamination at the Site, that information should be submitted within the time frame noted above.

Please note that if after submitting your response you obtain additional or different information concerning the matters addressed by our Request for Information, you must immediately turn over the additional or different information to EPA.

This Request for Information is not subject to the approval requirements of the Paperwork Reduction Act of 1980, 44 U.S.C. § 3501 et seq.

Your response to this Request for Information should be postmarked or received by EPA within 30 days of your receipt of this letter. Your response should be mailed to:

Mr. Richard Winfield, Remedial Project Manager
Emergency and Remedial Response Division - Region II
U.S. Environmental Protection Agency
290 Broadway, 19th Floor
New York, New York 10007-1866

A copy of your reply should be sent to:

Ms. Kedari Reddy, Assistant Regional Counsel
Office of Regional Counsel
U.S. Environmental Protection Agency
290 Broadway, 17th Floor
New York, New York 10007-1866

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If you have any questions regarding this Request for Information, or would like to discuss this matter with EPA, please contact Mr. Winfield at (212) 637-4362. Inquiries from attorneys should be directed to Ms. Reddy at (212) 637-3106.

We appreciate and look forward to your prompt response to this information request.

Sincerely yours,



Kevin Lynch, Acting Strategic Integration Manager
Emergency and Remedial Response Division

Enclosures

946160018

ATTACHMENT A

INSTRUCTIONS FOR RESPONDING TO REQUEST FOR INFORMATION

A. Directions

1. In answering these questions, every source of information to which you have access should be consulted, regardless of whether the source is in your immediate possession or control. All documents or other information, including records of all types of manufacturing, treatment, transportation or disposal operations, in your possession or in the possession of PVSC should be consulted.
2. A complete and separate response should be given for each question and subpart. Provide all documents that relate to each question. For each question contained in this letter, if information or documents responsive to this request are not in your possession, custody, or control, please identify the person(s) from whom such information may be obtained.
3. Identify each answer with the number of the question and the subpart to which it responds. For each document produced in response to this Request for Information, indicate on the document, or in some other reasonable manner, the question to which it applies.
4. Provide responses to the best of your ability, even if the information sought was never put in writing or if the written documents are no longer available. Consult with all present and past employees and agents of PVSC whom you have reason to believe may be familiar with the matter to which the question pertains.
5. In answering each question, identify each individual and any other source of information (including documents) that were consulted in the preparation of the response to the question.
6. If you have reason to believe that an individual other than one employed by PVSC may be able to provide additional details or documentation in response to any question, state that person's name, last known address, phone number and the reasons for your belief.
7. If a document is requested but not available, state the reason for its unavailability. To the best of your ability, identify the document by author, date, subject matter, number of pages and all recipients of the documents with their addresses.
8. If anything is omitted from a document produced in response to the Request for Information, state the reason for, and the subject matter of, the omission.
9. If you are unable to give a detailed and complete answer, or to provide any of the information or documents requested, indicate the reason for your inability to do so.
10. Sign and notarize the Certification of Answers where indicated.
11. Confidential Information The information requested herein must be provided even though you may contend that it includes confidential information or trade secrets. You may assert a confidentiality claim covering part or all of the information requested, pursuant to Sections 104(e)(7)(E) and (F) of CERCLA, 42 U.S.C. §§ 9604(e)(7)(E) and (F), Section 3007(b) of RCRA, 42 U.S.C. §6927(b), and 40 CFR §2.203(b).

If you make a claim of confidentiality for any of the information you submit to EPA, you must prove that claim. For each document or response you claim confidential, you must separately

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address the following points:

- A. the portions of the information alleged to be entitled to confidential treatment;
- B. the period of time for which confidential treatment is desired (e.g., until a certain date, until the occurrence of a specific event, or permanently);
- C. measures taken by you to guard against the undesired disclosure of the information to others;
- D. the extent to which the information has been disclosed to others, and the precautions taken in connection therewith;
- E. pertinent confidentiality determinations, if any, by EPA or other federal agencies, and a copy of any such determinations or reference to them, if available; and
- F. whether you assert that disclosure of the information would likely result in substantial harmful effects on your business' competitive position, and if so, what those harmful effects would be, why they should be viewed as substantial, and an explanation of the causal relationship between disclosure and such harmful effects.

To make a confidentiality claim, please stamp, or type "confidential" on all confidential responses and any related confidential documents. Confidential portions of otherwise non-confidential documents should be clearly identified. You should indicate a date, if any, after which the information need no longer be treated as confidential. Please submit your response so that all non-confidential information, including any redacted versions of documents, is in one envelope and all materials for which you desire confidential treatment are in another envelope.

All confidentiality claims are subject to EPA verification. It is important that you satisfactorily show that you have taken reasonable measures to protect the confidentiality of the information and that you intend to continue to do so, and that it is not and has not been obtainable by legitimate means without your consent. Information covered by such claim will be disclosed by EPA only to the extent permitted by CERCLA Section 104(e). If no such claim accompanies the information when it is received by EPA, then it may be made available to the public by EPA without further notice to you.

B. Definitions

- 1. The term **"you"** shall mean the addressee of this Request for Information, the addressee's officers, managers, employees, contractors or agents.
- 2. The term **"Site"** shall mean the Diamond Alkali Superfund Site, located in the City of Newark, Essex County, New Jersey. This definition includes Operable Units 1 (the facility located at 80 and 120 Lister Avenue) and Operable Unit 2 (Passaic River Study Area) as well as the areal extent of the contamination to which hazardous substances from the Diamond Alkali facility were transported, have or may have migrated or otherwise threaten to migrate. This includes the area below Dundee Dam through Newark Bay.
- 3. The terms **"facility"**, **"hazardous substance"**, and **"person"**, shall have the meanings set forth in Section 101(9), (14), and (21) of CERCLA, 42 U.S.C. §9601(9), (14), and (21) respectively.

4. The term **"identify"** means, with respect to a natural person, to set forth the person's name, present or last known employer, business address and business telephone number, present or last known home address and home telephone number, and present or last known job title, occupation, position or business.
5. The term **"document"** and **"documents"** shall include any written, recorded, computer generated, or visually or aurally reproduced material of any kind in any medium in PVSC's possession, custody, or control or known by PVSC to exist, including originals and all non-identical copies.
6. All terms not defined herein shall have their ordinary meaning, unless such terms are defined in CERCLA or RCRA, in which case the statutory definitions shall apply.

ATTACHMENT B

REQUEST FOR INFORMATION

1. Provide land use characteristics for each CSO drainage area below Dundee Dam..
2. Provide work plans for monitoring and modeling, including interim reports, if any.
3. What is the status of PVSC's Characterization Study? What is the due date?
4. Provide legible engineering drawings of the Main Intercepting Sewer (MIS) within the Passaic River Study Area (Study Area), including its connection to each of the CSO regulator structures. These sewers represent the connections from the CSO regulators to the treatment plant.
5. Based on reports by Killam, PVSC has undertaken the CSO Characterization Study on behalf of each surrounding municipality. The exception was the City of Newark, which will complete the monitoring and modeling requirements of their General Permit on their own. Provide both dry and wet-weather flow data (e.g., 15 minute data) measured in the MIS (or tributary to the MIS) from the contributing areas upstream of the Herbert Place Regulator (within the last 4 years) as well as the corresponding rainfall data. This represents the upstream boundary condition for the Study Area. In addition, please provide any flow data within the MIS below the Study Area. These flow data should include monitoring locations downstream of the Polk St. and City Dock CSOs as well as flow data for the South St. Interceptor and should include electronic data files and printouts.
6. The PVSC is including as its project goal to develop a calibrated SWMM model of each CSO drainage basin including the hydraulic response of the combined sewer system to rainfall and dry-weather flow quantities for each CSO drainage basin. Provide any and all information collected on the development of the sewer system model as well as on flow monitoring.
 - a. Please provide a copy of the sewer system model and any schematic representations of the system that have been modeled to date. Chemical Land Holdings, Inc. has a copy of the CSO discharge Characterization Study CSO Monitoring Report (for the Towns of Harrison and Kearny, the Borough of E. Newark and the City of Paterson) that included monitoring data from 1997 and 1998.
 - b. Provide any existing flow monitoring data (e.g., 15 minute values) and rain gauging data (including electronic data files and printouts) associated with this study and any more recent data that may be available for the following CSOs:
 - CSO 030/N-003, Herbert Place
 - CSO 031/N-004, Third Ave.
 - CSO 032/N-005, Fourth Ave.
 - CSO ?/? , Passaic St.
 - CSO 033/N-006 Clay St
 - CSO 034/N-007 Orange St.
 - CSO 035/N-008 Bridge St.
 - CSO 036/N-009, Rector St.
 - CSO 037/N-010, Saybrook Pl.
 - CSO 038/N-011, City Dock
 - CSO 019/K-003, Bergen Ave. (West)

- CSO 020/K-004, Nairn St.
- CSO 021/K-005, Marshall St.
- CSO 022/K-006, Johnston Ave.
- CSO 008/E-001, Central Ave.
- CSO 010/H-001, New St.
- CSO 011/H-002 Cleveland Ave.
- CSO 012/H-003, Harrison St.
- CSO 013/H-004, Dey St.
- CSO 015/H-006, Bergen St.
- CSO 014/H-005, Middlesex St.
- CSO 023/K-007, Ivy St.
- CSO 024/K-008, Bergen Ave (East)
- CSO 025/K-009, Tappan St.
- CSO 026/K-010, Dukes St.
- CSO 016/H-007, Worthington Ave.
- CSO 039/N-012, Jackson St.
- CSO 041/N-014, Freeman St.
- CSO 040/N-013, Polk St.

7. Engineering drawings (Charles Manganaro Consulting Engineers) have been provided for most of the regulators referenced in Question 6. We are requesting additional drawing information for the following CSOs:
 - a. Saybrook Pl.: The drawings provided were 8.5"X 11" reductions of the regulator structure which were illegible. Please provide legible copies.
 - b. Bergen Ave. (E): The drawings provided were 8.5"X 11" reductions of the regulator structure which were illegible. Please provide legible copies.
 - c. Dukes St.: The drawings provided were 8.5"X 11" reductions of the regulator structure which were illegible. Please provide legible copies.
 - d. Roanoke Ave.: The drawings provided were 8.5"X 11" reductions of the regulator structure which were illegible. Please provide legible copies.
 - e. Passaic Ave.: Drawings of the regulator were not provided. Please provide copies.
 - f. Orange St: Sections B-B and C-C of the regulator structures are missing. Please provide copies.
8. According to information provided, several regulators have manual and remote operated sluice gates. The automated gates are controlled by a signal transmitted from the treatment plant (Killam, Interim Sewer System Inventory and Assessment Report, February, 1996). In order to know what the capacity of each regulator is during storm events, provide information as to when the gates have been closed (either manually or automatically) over the past 3 years for each regulator. In your response, please provide regulator identifications, dates and times when the regulators were closed, and the treatment plant flow rate during the periods of closure.
9. Provide electronic copies of the data provided in your SQAR reports to NJDEP, since the inception of the SQAR program. If electronic copies are not available please provide paper copies.

10. Provide electronic copies of ambient water quality and sediment quality data collected in the main-stem and tributaries of the Passaic River/Newark Bay within or adjacent to the PVSC service area which were collected for or by PVSC. If electronic copies are not available, please provide paper copies. Do not exclude measurements of dissolved oxygen, temperature, salinity/s.conductivity, nitrogen forms or bacteria (e.g. total, fecal, f-strep, enterococci, etc.).
11. Provide a bibliography of CSO and/or ambient water quality studies conducted for or by PVSC since 1965, on any of the waters or tributary waters of the Passaic River - Hackensack River - Newark Bay system.

CERTIFICATION OF ANSWERS TO REQUEST FOR INFORMATION

State of _____ :

County of _____ :

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document (response to EPA Request for Information) and all documents submitted herewith, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete, and that all documents submitted herewith are complete and authentic unless otherwise indicated. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. I am also aware that PVSC is under a continuing obligation to supplement its response to EPA's Request for Information if any additional information relevant to the matters addressed in EPA's Request for Information or PVSC's response thereto should become known or available to PVSC.

NAME (print or type)

TITLE (print or type)

SIGNATURE

Sworn to before me this _____ day of _____ 20____

Notary Public Signature

946160025

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CHAIRMAN

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Passaic Valley
Sewerage Commissioners

600 WILSON AVENUE
NEWARK, NJ 07105
(973) 344-1800
Fax: (973) 344-2951
www.pvsc.com

OPERATIONS DEPT. Fax: (973) 817-5709

ROBERT J. DAVENPORT
EXECUTIVE DIRECTOR

JAMES KRONE
DEPUTY EXECUTIVE DIRECTOR

PETER G. SHERIDAN
CHIEF COUNSEL

LOUIS LANZILLO
CLERK

March 14, 2002

Mr. Kevin Lynch
U.S. Environmental Protection Agency
Emergency and Remedial Response Division - Region 2
290 Broadway, 19th Floor
New York, New York 10007-1866

Re: Diamond Alkali Superfund Site, Operable Unit 2 (Passaic River Study Area)
Request for Information Pursuant to 42 U.S.C. § § 9601-9675

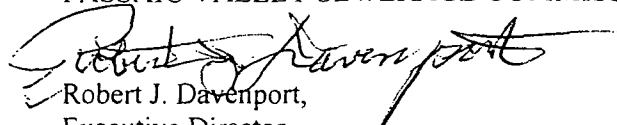
Dear Mr. Lynch:

PVSC received your letter dated February 22, 2002 on February 25. We began collecting the requested information immediately. Due to the voluminous amounts of information requested, we are respectfully requesting a 30-day extension in order to respond in the most comprehensive manner.

Should you have any questions or concerns regarding this request, please contact Mr. Sheldon Lipke, of my staff, at (973) 817-5782.

Sincerely,

PASSAIC VALLEY SEWERAGE COMMISSIONERS


Robert J. Davenport,
Executive Director

RJD/ja

c: Mr. Sheldon Lipke, Superintendent of Plant Operations
Mr. Richard Winfield, USEPA, Remedial Project Manager
Ms. Kedari Reddy, USEPA, Assistant Regional Counsel

946160026



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 2
290 BROADWAY
NEW YORK, NY 10007-1866



March 26, 2002

Mr. Robert J. Davenport
Executive Director
Passaic Valley Sewerage Commissioners
600 Wilson Avenue
Newark, NJ 07105

RE: Diamond Alkali Superfund Site, Operable Unit 2 (Passaic River Study Area)
Request for Information Pursuant to 42 U.S.C. §§ 9601-9675

Dear Mr. Davenport:

This letter confirms the 30 day extension requested in your letter dated March 14, 2001. The new deadline for responding to EPA's Request for Information is April 25, 2002.

Thank you for your continued cooperation in this matter. If you have any questions regarding the Request for Information, please contact myself at 212.637.3106 or Mr. Winfield at 212.637.4362.

Sincerely,

Kedari Reddy
Assistant Regional Counsel

cc: Mr. Sheldon Lipke, PVSC, Superintendent of Plant Operations ✓
Mr. Kevin Lynch, ERRD, Acting Strategic Integration Manager
Mr. Richard Winfield, ERRD, Remedial Project Manager

946160027

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Sender's Name ROBERT J. DAVENPORT **Phone** (973) 344-1800
Company PASSAIC VALLEY SEWAGE NEWARK
Address 600 WILSON AVE
City NEWARK **State** NJ **ZIP** 07105
Your Internal Billing Reference
To
Recipient's Name Ms. KEDARI REDDY **Phone** (212) 1637-3106
Company USEPA - OFFICE OF REGIONAL COUNSEL
Address 290 BROADWAY, 17th Floor
To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.
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* Call for Confirmation:
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Total Packages 2 **Total Weight** **Total Declared Value*** \$.00
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City NEWARK **State** NJ **ZIP** 07105
Your Internal Billing Reference
To
Recipient's Name Ms. KEDARI REDDY **Phone** (212) 1637-3106
Company USEPA - OFFICE OF REGIONAL COUNSEL
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☐ FedEx 3Day Freight Third business day
* Call for Confirmation:
5 Packaging * Declared value limit \$500
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☐ HOLD Saturday at FedEx Location Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations
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☐ Yes As per attached Shipper's Declaration
☐ Yes Shipper's Declaration not required
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Recipient's
Name MR. KEVIN LYNCH Phone (212) 637-4362Company USEPA - ERRO, Acting Strategic Project ManagerAddress 290 Broadway, 19th Floor
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* Declared value limit \$500

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6 Special Handling

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☐ HOLD Saturday
at FedEx Location
Available 4/1/99 for
FedEx Priority Overnight and
FedEx 2Day to select locations

Does this shipment contain dangerous goods?

☒ No

☐ Yes
As per attached
Shipper's Declaration

☐ Yes
Shipper's Declaration
not required

☐ Dry Ice
Dry Ice, 9 UN 1845 _____ x _____ kg

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Total Weight

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